Tecnolite ESLED-6500-1

Tecnolite Espejo III Outdoor Wall Lamp User Manual

Model: ESLED-6500-1
Brand: Tecnolite

Introduction

Thank you for choosing the Tecnolite Espejo III Outdoor Wall Lamp. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting fixture. Designed for durability and energy efficiency, this lamp is ideal for illuminating large outdoor commercial, industrial, or public areas. Please read this manual thoroughly before installation and keep it for future reference.



Figure 1: Tecnolite Espejo III Outdoor Wall Lamp. This image shows the complete lamp unit, featuring a grey housing and a clear, textured diffuser, designed for wall mounting.

Safety Information

Always follow basic safety precautions when installing and maintaining electrical products to reduce the risk of fire, electric shock, and personal injury.

- **Disconnect Power:** Always turn off the power at the circuit breaker or fuse box before installation, maintenance, or bulb replacement.
- **Qualified Electrician:** Installation should be performed by a qualified electrician in accordance with all local electrical codes.
- **Proper Grounding:** Ensure the fixture is properly grounded to avoid potential electric shock.
- **Outdoor Use:** This product is designed for outdoor use and is weather-resistant. However, ensure all connections are sealed and protected from moisture.
- **Voltage Compatibility:** Verify that the supply voltage (127 Volts AC) matches the lamp's requirements.
- **Handle with Care:** Do not handle the lamp or bulb with wet hands.
- **No User Serviceable Parts (except bulb):** Do not attempt to disassemble or modify the lamp beyond bulb replacement.

Package Contents

Carefully unpack the box and ensure all components are present and undamaged.

- Tecnolite Espejo III Outdoor Wall Lamp (1 unit)
- 50W LED Bulb (1 unit)
- Mounting Accessories (screws, anchors, etc.)
- User Manual (this document)

Product Overview

The Tecnolite Espejo III lamp is designed for efficient and automatic outdoor illumination. Key features include:

- **Integrated Photocell:** Automatically turns the lamp on at dusk and off at dawn.
- **Weather Resistant:** Durable polycarbonate construction suitable for outdoor environments (IP65, IK08 rated).
- **High Efficiency LED:** Provides 6500 Kelvin (daylight) illumination with significant energy savings.
- **Universal E27 Base:** Allows for easy bulb replacement.



Figure 2: Key features of the Tecnolite Espejo III lamp, highlighting its integrated photocell, weather resistance, 50W LED bulb inclusion, universal E27 base, high efficiency, easy installation, robust construction, and non-emission of UV rays.



Figure 3: Technical drawing showing the dimensions of the Tecnolite Espejo III lamp: 350 mm (length), 280 mm (height), and 245 mm (width).

Specifications

Attribute	Detail
Model Number	ESLED-6500-1
Brand	Tecnolite
Power Source	DC (operates on 127V AC)
Voltage	127 Volts AC
Wattage	50 watts
Luminous Flux	4500 lm
Color Temperature	6500 Kelvin (Daylight)
Bulb Type	LED (E27 Base)
Material	Polycarbonate

Color	Gray
Dimensions (L x W x H)	35 x 24.5 x 28 cm (13.8 x 9.6 x 11 inches)
Weight	1.21 kg (2.67 lbs)
Special Features	Integrated Photocell, Low Energy Consumption, Waterproof (IP65), Impact Resistant (IK08)
Installation Method	Wall Mount

Setup and Installation

Important: Ensure power is disconnected at the circuit breaker before beginning installation.

1. **Choose Location:** Select a suitable outdoor wall location that provides adequate light distribution and is accessible for wiring. Ensure the photocell is not obstructed and receives natural daylight.
2. **Prepare Wiring:** Run electrical wiring from the power source to the chosen installation point. Ensure the wiring is rated for outdoor use and complies with local electrical codes.
3. **Mounting the Fixture:**
    - Carefully remove the mounting bracket from the lamp body if it's separate.
    - Position the mounting bracket against the wall at the desired height. Mark the drilling points.
    - Drill holes at the marked points and insert appropriate wall anchors (if necessary).
    - Secure the mounting bracket to the wall using the provided screws.
4. **Electrical Connection:**
    - Connect the electrical wires from the power source to the corresponding wires on the lamp fixture (Live to Live, Neutral to Neutral, Ground to Ground). Refer to the wiring diagram if provided with the physical product.
    - Ensure all connections are secure and insulated with wire nuts or appropriate connectors.
    - For outdoor installations, use weather-resistant junction boxes and seal all entry points to prevent water ingress.
5. **Attach Lamp Body:** Secure the lamp body to the mounted bracket, ensuring it is firmly attached and sealed against the wall to maintain its weather resistance.
6. **Install LED Bulb:** Insert the provided 50W LED bulb into the E27 base. Ensure it is screwed in firmly but do not overtighten.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.



Figure 4: The Tecnolite Espejo III lamp shown alongside the included 50W LED bulb, which uses an E27 base for easy installation and replacement.

Operating Instructions

The Tecnolite Espejo III lamp features an integrated photocell for automatic operation.

- **Automatic On/Off:** The photocell sensor detects ambient light levels. The lamp will automatically turn on when it gets dark (dusk) and turn off when it detects sufficient natural light (dawn).
- **Initial Operation:** After installation and power restoration, the lamp may take a few moments to calibrate. It will turn on if it's dark and off if it's light.
- **Photocell Placement:** Ensure the photocell (small sensor on top of the lamp) is not obstructed by eaves, trees, or other objects that could cast shadows on it during the day, or be exposed to direct artificial light sources at night, as this could interfere with its operation.

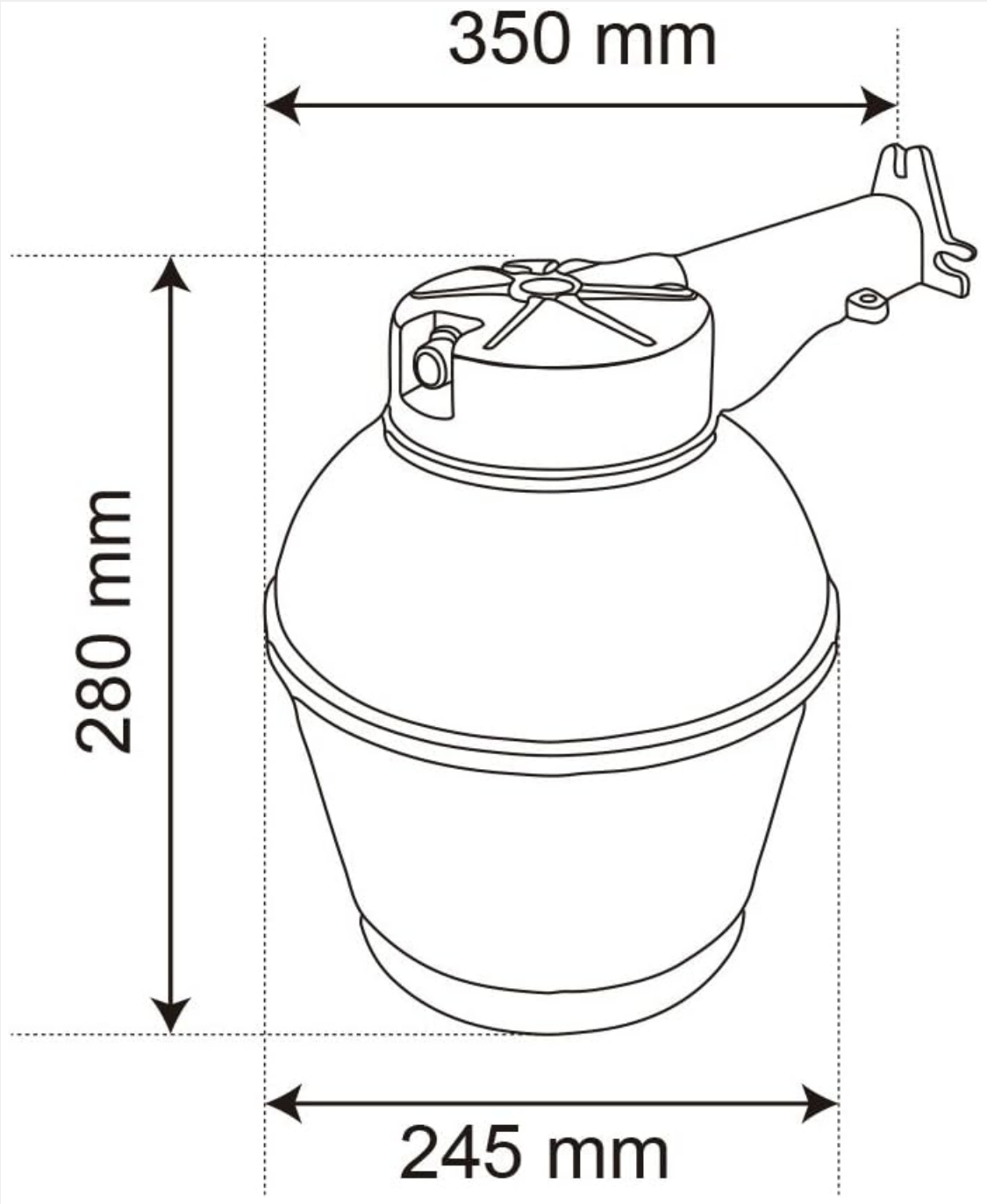

Figure 5: Illustration of the photocell's automatic operation. The sensor detects the absence of sunlight, causing the lamp to illuminate automatically at night, providing wide light distribution.

Maintenance

Regular maintenance ensures optimal performance and longevity of your lamp.

- **Cleaning:** Periodically clean the lamp's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the photocell is clean and free of dirt or debris.
- **Bulb Replacement:**
  - Before replacing the bulb, always turn off the power to the fixture at the circuit breaker.
  - Allow the bulb to cool down if it has been recently in use.
  - Unscrew the old E27 bulb and screw in a new 50W LED bulb with an E27 base.
  - Restore power after replacement.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loose connections.

Troubleshooting

Problem	Possible Cause	Solution
Lamp does not turn on at night.	◦ No power to the fixture. ◦ Photocell obstructed or exposed to artificial light. ◦ Faulty bulb. ◦ Faulty photocell.	◦ Check circuit breaker/fuse. ◦ Ensure photocell is clear and not exposed to other light sources. ◦ Replace bulb. ◦ Contact customer support if photocell is suspected faulty.
Lamp stays on during the day.	◦ Photocell obstructed or not receiving enough daylight. ◦ Photocell faulty.	◦ Clear any obstructions from the photocell. ◦ Contact customer support if photocell is suspected faulty.
Light output is dim or flickers.	◦ Loose wiring connection. ◦ Bulb nearing end of life or faulty. ◦ Incorrect voltage.	◦ Check all wiring connections (with power off). ◦ Replace bulb. ◦ Verify power supply voltage.

Warranty and Support

Tecnolite products are manufactured to high-quality standards. This product comes with a warranty against defects in materials and workmanship.

- **Warranty Period:** The LED components of this lamp are covered by a warranty of up to 5 years from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Warranty Coverage:** This warranty covers manufacturing defects. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or normal wear and tear.
- **Customer Support:** For technical assistance, warranty claims, or any questions regarding your Tecnolite Espejo III lamp, please contact Tecnolite customer service. Refer to the Tecnolite official website or product packaging for the most current contact information.



Figure 6: Image indicating a warranty of up to 5 years on Tecnolite LED products, emphasizing long-term reliability.

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